

Deschutes Co. Fairgrounds solar bid
Energy Wise Services
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Greetings,

I would like to protest the intent to award for Document No. 2024-811, a Notice of Intent to Award Contract to E2 Solar.

The paperwork says there are 7 days from the day of the Commissioners meeting, 10/2 to protest.

I asked for a copy of the scoring and a copy of the winners proposal. As the bid is not based on cost, I can't determine if my bid is better than that of E2 Solar or not. I was refused the paperwork I asked for until a contract is signed. That could be after the 7 days period. I did hear on the recording of the Commissioners meeting that the size of the system is 310 kw. My proposal was 356 kw.

The Mayfield study for the bid is outdated and only talked about 190 kw, prices have dropped over the years. In addition the inverter and the modules he proposed didn't meet the qualifications of the "design build".

The solar panels I have proposed along with the racking will qualify for an extra 10% or about \$65,000 of free federal money, this is in addition to the 30% of the project cost thru the federal Inflation Reduction Act. The solar panel manufacturer is in the process of building a factory to manufacture solar cells that will meet requirements of the IRA additional grant some time next year (well within the timeline outlined in the bid-before the courthouse is finished). As I am the first customer in the state to use this particular racking, I wonder if E2 Solar will have products that are eligible for this extra 10% of free money.

The bid called for inverters with a 25 year warranty. The only inverters that I know of that have this are microinverters. I would not recommend using them as it puts a lot of electronics that can fail underneath difficult to get to areas in a harsh environment.

I offered a warranty on the output of the system where I would pay for any lost energy between the time a part failed and when we would fix it.

I offered a spare inverter, so any change could be done very quickly.

With the string inverter I have proposed and my design there would be no need to put any electronics under the solar panels, which would be needed in any other proposed system that did not offer the products I would use. The inverter I have proposed can easily be changed (less than 1 hr), if the inverter failed and the manufacturer went out of business, one can use a number of other inverters. If Solaredge fails and goes out of business, there is no other alternative other than to take up all of the solar panels and modify the system which would be very expensive.

My proposal includes 10 years of once a year washing of the solar panels and systems check as well as daily monitoring for the first 10 years of the energy output.

With what looks like a minimum of \$250,000 (at 4% Pac Power annual rate increase) plus the extra IRA funds and the other benefits, I would like to see how the E2 Solar bid is better.

Peter Greenberg

October 3, 2024

Year	Solar panel output	My bid w/ Solis inverters			E2 solar w/ Solaredge 480v? inverters	
		4% inc/yr Pac Power	356.5 kw DC Initial kwh produced	Earnings/yr	310 kw Initial kwh produced	Earnings/yr
1	100%	0.10	518,534	\$51,853	468,455	\$46,846
2	98.00%	\$0.104	518,534	\$52,849	468,455	\$47,745
3	97.68%	\$0.108	518,534	\$54,781	468,455	\$49,490
4	97.35%	\$0.112	518,534	\$56,784	468,455	\$51,300
5	97.03%	\$0.117	518,534	\$58,860	468,455	\$53,175
6	96.71%	\$0.122	518,534	\$61,011	468,455	\$55,119
7	96.39%	\$0.127	518,534	\$63,242	468,455	\$57,134
8	96.07%	\$0.132	518,534	\$65,554	468,455	\$59,223
9	95.75%	\$0.137	518,534	\$67,950	468,455	\$61,388
10	95.43%	\$0.142	518,534	\$70,434	468,455	\$63,632
11	95.12%	\$0.148	518,534	\$73,009	468,455	\$65,958
12	94.80%	\$0.154	518,534	\$75,678	468,455	\$68,369
13	94.49%	\$0.160	518,534	\$78,445	468,455	\$70,869
14	94.18%	\$0.167	518,534	\$81,313	468,455	\$73,460
15	93.87%	\$0.173	518,534	\$84,285	468,455	\$76,145
16	93.56%	\$0.180	518,534	\$87,366	468,455	\$78,929
17	93.25%	\$0.187	518,534	\$90,560	468,455	\$81,814
18	92.94%	\$0.195	518,534	\$93,871	468,455	\$84,805
19	92.63%	\$0.203	518,534	\$97,303	468,455	\$87,905
20	92.32%	\$0.211	518,534	\$100,860	468,455	\$91,119
21	92.02%	\$0.219	518,534	\$104,547	468,455	\$94,450
22	91.71%	\$0.228	518,534	\$108,369	468,455	\$97,903
23	91.41%	\$0.237	518,534	\$112,331	468,455	\$101,482
24	91.11%	\$0.246	518,534	\$116,437	468,455	\$105,192
25	90.80%	\$0.256	518,534	\$120,694	468,455	\$109,038
				\$2,028,387		\$1,832,489
						this doesn't include
			Difference	\$195,898		up to 2% drop for transformer
				no transformer needed		